

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. Contract ID Code Cost-Plus-Fixed-Fee		Page 1 Of 6	
2. Amendment/Modification No. P00002		3. Effective Date 2003DEC31		4. Requisition/Purchase Req No. SEE SCHEDULE		5. Project No. (If applicable)	
6. Issued By TACOM WARREN BLDG 231 AMSTA-AQ-ABGD-W NEIL WILLISTON (586)574-7028 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: WILLISTN@TACOM.ARMY.MIL		Code W56HZV		7. Administered By (If other than Item 6) DCMA ATLANTA 805 WALKER ST, SUITE 1 MARIETTA, GA 30060-2789		Code S1103A	
				SCD C PAS S1103A2001APC ADP PT HQ0338			
8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code) SOUTH CAROLINA RESEARCH AUTHORITY 5300 INTERNATIONAL BLVD. NORTH CHARLESTON, SC. 29418 TYPE BUSINESS: Other Nonprofit				<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>		9A. Amendment Of Solicitation No. 9B. Dated (See Item 11) 10A. Modification Of Contract/Order No. DAAE07-03-C-L089 10B. Dated (See Item 13) 2003FEB19	
Code 0A9P5		Facility Code					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. Accounting And Appropriation Data (If required) Payment will be made by Electronic Funds Transfer ACRN: AB NET INCREASE: \$90,000.00							
13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS It Modifies The Contract/Order No. As Described In Item 14.							
KIND MOD CODE: B							
<input type="checkbox"/> A. This Change Order is Issued Pursuant To: The Changes Set Forth In Item 14 Are Made In The Contract/Order No. In Item 10A.							
<input checked="" type="checkbox"/> B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).							
<input type="checkbox"/> C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:							
<input type="checkbox"/> D. Other (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the Issuing Office.							
14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) SEE SECOND PAGE FOR DESCRIPTION							
15A. Name And Title Of Signer (Type or print)				16A. Name And Title Of Contracting Officer (Type or print) JOHN M. HOPFNER HOPFNERJ@TACOM.ARMY.MIL (586)574-7070			
15B. Contractor/Offeoror (Signature of person authorized to sign)		15C. Date Signed		16B. United States Of America By _____ /SIGNED/ (Signature of Contracting Officer)		16C. Date Signed 2003DEC31	
NSN 7540-01-152-8070 PREVIOUS EDITIONS UNUSABLE				30-105-02		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

CONTINUATION SHEET	Reference No. of Document Being Continued		Page 2 of 6
	PIIN/SIIN DAAE07-03-C-L089	MOD/AMD P00002	
Name of Offeror or Contractor: SOUTH CAROLINA RESEARCH AUTHORITY			

SECTION A - SUPPLEMENTAL INFORMATION

CONTRACT FOR:	N-STEP PROGRAM
PRIOR AMOUNT OBLIGATED; PRON: E122C340EH	\$136,808.00
PRIOR AMOUNT OBLIGATED; PRON E132C265EH	\$899,251.00
AMOUNT OBLIGATED THIS ACTION; PRON E132C265EH	\$90,000.00
TOTAL AMOUNT OBLIGATED:	\$1,126,059.00

- This is a Unilateral Modification.
- The purpose of this Modification P00002 is (i) to provide incremental funds according to the Funding Schedule in the amount of \$90,000.00; and (ii) to extend the Period of Performance on Work Directive #1 to 15 February, 2004.
- Our right to issue this Modification is in contract paragraphs B.1 through B.7, F.1.2, F.2, F.3 and G.5..
- The Revised Master Schedule dated 18 December 2003 is added to Section J of the Contract as Exhibit C.
- Section B.2.2 of the basic contract required the Period of Performance of the initial Work Directive to be for 12 months. Modification P00001 changed the Period of Performance of the initial Work Directive from 12 months to 10 months or from 3 March 2003 to 31 December 2003. The purpose of this Modification P00002 is to change the Period of Performance from 10 months to 11.5 months or from 31 December 2003 to 15 February 2004.

5. Modify the contract as follows:				
SECTION	DELETE	PAGES	ADD	PAGES DESCRIPTION
B	5		4& 5	Add additional funding
C&F	N/A		4	Extend Period of Performance wherever stated in Work Directive #1 to 15 February 2004.
G	N/A		5	Administrative Data
J	N/A		6	Add Revised Master Schedule dated 18 December 2003 as Exhibit C.

- As a result of this Modification P00002, the total contract amount is increased by \$90,000.00 from \$1,036,059.00 to \$1,126,059.00. The funding breakdown for this action is summarized below:

<u>CLIN 0001 (Labor)</u>	<u>PREVIOUS CONTRACT AMOUNT</u>	<u>AMOUNT THIS ACTION</u>	<u>TOTAL AMOUNT</u>
Estimated Cost:	\$866,306.00	\$82,950.00	\$ 949,256.00
Fixed Fee:	\$ 73,635.00	\$ 7,050.00	\$ 80,685.00
Total Estimated Cost:	\$939,941.00	\$90,000.00	\$1,029,941.00
CLIN 000@ (Travel & Materials Costs only)	\$96,118.00	0.00	\$ 96,118.00

- Except as specifically provided in this Modification P00002, all other terms and conditions remain unchanged.

*** END OF NARRATIVE A 002 ***

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN DAAE07-03-C-L089 MOD/AMD P00002	Page 3 of 6
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Name of Offeror or Contractor: SOUTH CAROLINA RESEARCH AUTHORITY

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	<div>SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS</div> <div>SERVICES LINE ITEM</div> <div>SECURITY CLASS: Unclassified</div> <div>Contractor shall furnish all the supplies and services necessary to accomplish all the Work Directives issued by the Contracting Officer under this contract in accordance with Section C "Scope of Work".</div> <div>Level of Effort: 8812.6 hours</div> <div>Estimated Cost: \$962,242.00</div> <div>Fixed Fee: \$ 73,635.00</div> <div>Total Est. Cost: \$1,036,059.00</div> <div>(End of narrative A002)</div>				
0001AE	<div>SERVICES LINE ITEM</div> <div>NOUN: N-STEP: SCRA</div> <div>PRON: E132C265EH PRON AMD: 03 ACRN: AB</div> <div>AMS CD: 63300553F11</div> <div>Contractor shall furnish all the supplies and services to accomplish the task specified in Section C, "Scope of Work."</div> <div>This CLIN 0001AE adds additional funding for Work Directive #1.</div> <div>Est. Cost: \$82,950.00</div> <div>Fixed Fee: \$ 7,050.00</div> <div>Total Cost: \$90,000.00</div> <div>(End of narrative B001)</div> <div>Inspection and Acceptance</div> <div>INSPECTION: Destination ACCEPTANCE: Destination</div> <div>Deliveries or Performance</div> <div>DLVR SCH</div> <div>REL CD QUANTITY DATE</div> <div>001 0 30-DEC-2003</div> <div>\$ 90,000.00</div>				\$ 90,000.00

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN DAAE07-03-C-L089 MOD/AMD P00002	Page 4 of 6
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B.7 Estimated Cost and Payment

B.7.1 The estimated cost for performance of the work required under this contract is \$1,045,374.00, which shall constitute the estimated cost for the purpose of the Contract Clause hereof entitled :LIMITATION OF FUNDS" (FAR 52.232-22).

B.7.1.2 The Contractor shall be paid the fixed fee of \$80,685.00 stated in Section B opposite CLIN 00001 for the performance of work under the contract and in accordance with the terms of the Contract Clause entitled "FIXED FEE" (March 1997), FAR 52.216-8. The fixed fee together with reimbursement of cost shall constitute full and complete consideration for the Contractor's service in connection with the work required and performed under this contract. Fee shall not be applied to travel or material.

B.7.2.3 Allowable cost shall be determined and payment thereof shall be provided, in accordance with the Contract Clause hereof entitled "ALLOWABLE COST AND PAYMENT" (FAR 52.216-7).

B.8 FUNDING

B.8.1 The Contractor shall notify the Government in accordance with the contract clause in Section I hereof entitled "Limitation of Cost", whenever there is reason to believe that the funds obligated on this contract in support of any individual Work Directive are either insufficient or excessive for the performance of the work required under such Work Directive issued under this contract.

B.8.1.2 FUNDING SCHEDULE

Performance Period	Amount
Year 1- Through Dec 2003	\$1,036,059.00
FY04- Through completion	\$90,000.00

B.8 Funds Allotted

This Modification P00002 increases the total contract amount by \$90,000.00 from \$1,036,059.00 to \$1,126,059.00

B.9 PAYMENT

The contractor may submit public vouchers bimonthly under this contract. The fee will be payable at the time of reimbursement of cost at the same rate to such cost as the total fee of this contract bears to the total estimated cost thereof, subject to any withholding pursuant to provisions of this contract.

B.10 Any necessary, reasonable and allowable costs from 3 March 2003 to the effective date of this Modification P00002 shall be deemed to have been incurred after award of this Modification, subject to the cost ceilings in the Contract and this Modification P00002.

B.11 The effective date of this Modification P00002 is as stated in Block 16c on Page One.

*** END OF NARRATIVE B 002 ***

SECTION G - CONTRACT ADMINISTRATION DATA

LINE	PRON/ AMS CD/ <u>ITEM</u> <u>MIPR</u>		OBLG STAT/ <u>JOB ORD NO</u>		<u>PRIOR AMOUNT</u>		INCREASE/DECREASE <u>AMOUNT</u>		CUMULATIVE <u>AMOUNT</u>
0001AE	E132C265EH	AB	1	\$	0.00	\$	90,000.00	\$	90,000.00
	63300553F11		32C265						
					NET CHANGE	\$	90,000.00		

SERVICE <u>NAME</u>	NET CHANGE <u>BY ACRN</u>		<u>ACCOUNTING CLASSIFICATION</u>		ACCOUNTING <u>STATION</u>		INCREASE/DECREASE <u>AMOUNT</u>
Army	AB	21	32040000036D7675P633005255Y S20113		W56HZV	\$	90,000.00
					NET CHANGE	\$	90,000.00

		<u>PRIOR AMOUNT</u> <u>OF AWARD</u>		<u>INCREASE/DECREASE</u> <u>AMOUNT</u>		<u>CUMULATIVE</u> <u>OBLIG AMT</u>
NET CHANGE FOR AWARD:	\$	1,036,059.00	\$	90,000.00	\$	1,126,059.00

CONTINUATION SHEET	Reference No. of Document Being Continued		Page 6 of 6
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Name of Offeror or Contractor: SOUTH CAROLINA RESEARCH AUTHORITY			

SECTION J - LIST OF ATTACHMENTS

<u>List of</u> <u>Addenda</u>	<u>Title</u>	<u>Date</u>	<u>Number</u> <u>of Pages</u>	<u>Transmitted By</u>
Attachment 003	EXHIBIT C	MASTER SCHEDULE	18-DEC-2003	006
Attachment 004	ATTACHMENT #1	REV #2 TO WORK DIRECTIVE #1	24-DEC-2003	005

REVISED MASTER SCHEDULE 18 DECEMBER 2003
 EXHIBIT C

WBS
Complete

WBS	Task Name	Duration	Start	Finish	%
1	NSTEP PROGRAM MANAGEMENT	295 days	3/3/2003 8:00	4/30/2004 17:00	77%
1.1	Planning and Quality Control	240 days	3/3/2003 8:00	2/13/2004 17:00	
82%					
1.1.1	Transition to TACOM Contract Vehicle from SST Vehicle	0 days	3/3/2003 8:00	3/3/2003	
8:00	100%				
1.1.2	Receive TACOM Work Directive 001	0 days	5/22/2003 8:00	5/22/2003 8:00	1
00%					
1.1.3	Team Weekly Status Report via Email to SCRA PM (LOE)	236 days	3/7/2003 8:00	2/13/2004 17:00	85%
1.1.4	Conduct Tech BiWeekly Status Meeting (LOE)	237 days	3/6/2003 8:00	2/13/2004 17:00	85%
1.1.5	Develop & Submit Tech & Fin Monthly Status Report (LOE)	208 days	4/15/2003 8:00	2/13/2004 17:00	
83%					
1.1.6	Conduct PM Bi-Weekly Confrence Call (LOE)	97 days	9/22/2003 8:00	2/13/2004 17:00	63
%					
1.1.7	Maintain Inventory and Licensing Database (LOE)	240 days	3/3/2003 8:00	2/13/2004 17:00	8
5%					
1.2	Contract Deliverables	146 days	9/30/2003 8:00	4/30/2004 17:00	6
%					
1.2.1	VET 100 Report	1 day	9/30/2003 8:00	9/30/2003	
17:00	100%				
1.2.2	Limitation of Funds Notification Letter (Review)	1 day	10/1/2003 8:00	10/1/2003 17:00	10
0%					
1.2.3	Government Property Report (Annual)	23 days	10/1/2003 8:00	10/31/2003 17:00	0%
1.2.4	Small Business Reports (SF294/295) to SBA	1 day	10/31/2003 8:00	10/31/2003 17:00	10
0%					
1.2.5	Subcontractors Patent Notification (Interim)	10 days	1/15/2004 8:00	1/28/2004 17:00	0%
1.2.6	Government Property Disposition Letter	1 day	1/30/2004 8:00	1/30/2004	
17:00	0%				
1.2.7	SCRA Patent Report to DCMA (Interim)	1 day	2/19/2004 8:00	2/19/2004 17:00	0
%					
1.2.8	Subcontractor Patent Notification (Final)	10 days	3/1/2004 8:00	3/12/2004 17:00	0%
1.2.9	SCRA Patent Report to DCMA (Final)	1 day	3/31/2004 8:00	3/31/2004 17:00	0
%					
1.2.10	Subcontracts Funds Remaining Notification by CLIN	1 day	3/31/2004 8:00	3/31/2004	
17:00	0%				
1.2.11	SCRA Funds Remaing Notification by CLIN	1 day	4/30/2004 8:00	4/30/2004 17:00	0
%					
1.3	Travel: Meetings and Demonstrations	235 days	3/8/2003 8:00	2/13/2004 17:00	97
%					
1.3.1	Attend ISO TC184/SC4 Meeting - San Diego, CA	6 days	3/8/2003 8:00	3/14/2003 17:00	1
00%					
1.3.2	N-STEP Start-of-Work Meeting - Warren, MI	2 days	7/15/2003 8:00	7/16/2003 17:00	1
00%					
1.3.4	Attend ISO TC184/SC4 Meeting - Stuttgart, Germany	6 days	6/20/2003 8:00	6/27/2003	
17:00	100%				
1.3.5	Attend AP240 Ballot Workshop - Tokyo, Japan	6 days	8/11/2003 8:00	8/18/2003 17:00	1
00%					
1.3.6	Visit to DSCC w/ PM STEP Presentation	2 days	9/17/2003 8:00	9/18/2003 17:00	1
00%					
1.3.7	Attend ISO TC184/SC4 Meeting - Poitiers, France	6 days	10/24/2003 8:00	10/31/2003	
17:00	100%				
1.3.8	Attend DOD Maintenance Symposium	4 days	10/27/2003 8:00	10/30/2003 17:00	10
0%					
1.3.9	Attend Defense Manufacturing Conference	4 days	12/1/2003 8:00	12/4/2003 17:00	1
00%					
1.3.10	End of Project Review @ TACOM - Warren, MI	1 day	2/13/2004 8:00	2/13/2004 17:00	0

1.4	N-STEP Execution Plan	16 days	6/9/2003 8:00	6/30/2003 17:00	100%
1.4.1	Update the N-STEP Execution Plan	6 days	6/9/2003 8:00	6/16/2003 17:00	100%
1.4.2	Submit draft update to TACOM	1 day	6/17/2003 8:00	6/17/2003 17:00	100%
1.4.3	Receive Government Review	1 day	6/27/2003 8:00	6/27/2003 17:00	100%
1.4.4	Submit to TACOM	1 day	6/30/2003 8:00	6/30/2003 17:00	100%
1.5	STEP Manufacturing Suite	34 days	12/22/2003 8:00	2/13/2004 17:00	0%
1.5.1	Update the STEP Manufacturing Suite paper	19 days	12/22/2003 8:00	1/23/2004 17:00	0%
1.5.2	Submit draft update to TACOM	1 day	1/26/2004 8:00	1/26/2004 17:00	0%
1.5.3	Receive Government Review	1 day	2/6/2004 8:00	2/6/2004 17:00	0%
1.5.4	Submit to TACOM	1 day	2/13/2004 8:00	2/13/2004 17:00	0%
1.6	NSTEP Interim Report for TACOM Year 2	30 days	1/5/2004 8:00	2/13/2004 17:00	0%
1.6.1	Develop NSTEP Interim Report for TACOM Year 2	15 days	1/5/2004 8:00	1/23/2004 17:00	0%
1.6.2	Submit Draft Interim Report to TACOM	1 day	1/26/2004 8:00	1/26/2004 17:00	0%
1.6.3	Receive Government Review of Interim Report	1 day	2/2/2004 8:00	2/2/2004 17:00	0%
1.6.4	Submit Interim Report to TACOM	1 day	2/13/2004 8:00	2/13/2004 17:00	0%
1.6.5	Submit Interim Report to DTIC	1 day	2/13/2004 8:00	2/13/2004 17:00	0%
2	STEP-CENTRIC R&D ISO 10303 DEVELOPMENT	527 days	1/10/2003 8:00	1/28/2005 17:00	49%
2.1	Prepare for ISO Meetings	240 days	3/3/2003 8:00	2/13/2004 17:00	76%
2.1.1	Prepare ISO TC184/SC4 Meeting - San Diego, CA	25 days	3/3/2003 8:00	4/3/2003 17:00	100%
2.1.2	Prepare ISO TC184/SC4 Meeting - Stuttgart, Germany	18 days	5/22/2003 8:00	6/20/2003 8:00	100%
2.1.3	Prepare AP240 Ballot Workshop - Tokyo, Japan	25 days	7/7/2003 8:00	8/11/2003 8:00	100%
2.1.4	Prepare ISO TC184/SC4 Meeting - Poitiers, France	25 days	9/19/2003 8:00	10/24/2003 8:00	100%
2.1.5	Prepare ISO TC184/SC4 Meeting - Ft. Lauderdale, FL	30 days	1/5/2004 8:00	2/13/2004 8:00	0%
2.2	Process AIC522 along Fast Track	0 days	4/15/2003 8:00	4/15/2003 8:00	100%
2.2.1	Publish AIC522 as an IS (submitted Nov 02 to ISO)	0 days	4/15/2003 8:00	4/15/2003 8:00	100%
2.3	Develop AP240 CD Version * Non-SCRA team effort	77 days	1/10/2003 8:00	4/24/2003 8:00	100%
2.3.1	AP240 CD Ballot (3 Months) (non SCRA Team) (LOE)	67 days	1/10/2003 8:00	4/10/2003 8:00	100%
2.3.2	AP240 CD Ballot Result Processing by SC4 (non SCRA Team) (LOE)	10 days	4/11/2003 8:00	4/11/2003 8:00	4/24/2003 17:00
2.4	Develop AP240 DIS Version	256 days	4/8/2003 8:00	4/14/2004 17:00	69%
2.4.1	Generate Test Base Part	17 days	4/8/2003 8:00	4/30/2003 17:00	100%
2.4.2	Resolve CD Ballot Comments	57 days	4/25/2003 8:00	7/16/2003 17:00	100%

2.4.3	Hold Ballot Resolution Workshop at ISO Meetings (Germany)	5 days	7/2/2003 8:00	7/9/2003 17:00	100%
2.4.4	Revise AP240 Document for DIS Ballot	61 days	6/25/2003 8:00	9/19/2003 17:00	
100%					
2.4.5	Perform Internal Quality (Japan) & Project Leader Checklists	20 days	8/29/2003 8:00	9/26/2003 17:00	10
0%					
2.4.6	Submit AP240 DIS Doc's to WG3 Convener for Sign-off	0 days	10/10/2003 17:00	10/10/2003 17:00	1
00%					
2.4.7	Submit AP240 DIS Doc's to SC4 Secretariat for Ballot	0 days	10/31/2003 17:00	10/31/2003 17:00	1
00%					
2.4.8	AP240 DIS Ballot (5 Mo) (Non SCRA) (LOE)	110 days	11/3/2003 8:00	4/14/2004 17:00	25
%					
2.5	Assist in Dev of AP224 (3rd Edition) as Editor (Fast Track)	115 days	1/14/2003 8:00		6/
20/2003 17:00	100%				
2.5.1	Incorporate UK Developed ARM & AIM for Gears in Document	110 days	1/14/2003 8:00		6/
13/2003 17:00	100%				
2.5.2	Perform Internal Quality (UK) & Project Leader Checklists SCRA (LOE)	25 days	5/16/2003 8:00		6
/20/2003 17:00	100%				
2.6	Develop NWI AP223	123 days	7/1/2003 8:00	12/24/2003 17:00	10
0%					
2.6.1	Develop NWI AP223	106 days	7/1/2003 8:00	12/1/2003 17:00	10
0%					
2.6.2	Submit formal NWI in ISO ballot process	8 days	12/15/2003 8:00	12/24/2003 17:00	1
00%					
2.7	Development Tasks are UK Tasks	281 days	1/2/2004 8:00	1/28/2005 17:00	0
%					
2.7.1	Submit AP224 (Ed3) DIS Doc's to WG3 Convener for Sign-off (Non SCRA)(UK) (LOE)	0 days	1/2/2004		
8:00	1/2/2004 8:00	0%			
2.7.2	Submit AIC522 (Ed2) DIS Doc's to WG3 Convener for Sign-off (Non SCRA)(UK)(LOE)	0 days	1/2/2004		
8:00	1/2/2004 8:00	0%			
2.7.3	Submit AP224 (Ed3) DIS Doc's to SC4 Secretariat for Ballot (Non SCRA)(UK)(LOE)	0 days	2/2/2004		
8:00	2/2/2004 8:00	0%			
2.7.4	Submit AIC522 (Ed2) DIS Doc's to SC4 Secretariat for Ballot (Non SCRA)(UK)(LOE)	0 days	2/2/2004		
8:00	2/2/2004 8:00	0%			
2.7.5	AP224 (Ed3) DIS Ballot (5 Mo) (Non SCRA)(UK) (LOE)	110 days	2/2/2004 8:00		7/
2/2004 17:00	0%				
2.7.6	AIC522 (Ed2) DIS Ballot (5 Mo) (Non SCRA)(UK) (LOE)	110 days	2/2/2004 8:00		7/
2/2004 17:00	0%				
2.7.7	AP224 Ballot Result Processing by SC4 (Non SCRA)(UK) (LOE)	10 days	7/5/2004 8:00	7/16/2004	
17:00	0%				
2.7.8	AIC522 Ballot Result Processing by SC4 (Non SCRA)(UK) (LOE)	10 days	1/12/2004 8:00	1/23/2004	
17:00	0%				
2.7.9	AP224 (Ed3) Registration Process (Non SCRA)(UK) (LOE)	140 days	7/19/2004 8:00		1/
28/2005 17:00	0%				
2.7.10	AIC522 (Ed2) Registration Process (Non SCRA)(UK) (LOE)	140 days	1/26/2004 8:00		8/
6/2004 17:00	0%				
3	STEP-ENABLED TOOLSET DEVELOPMENT	240 days	3/3/2003 8:00	2/13/2004 17:00	71
%					
3.1	STEPPlan	240 days	3/3/2003 8:00	2/13/2004 17:00	81
%					
3.1.1	Develop STEPPlan for AP240	75 days	3/3/2003 8:00	6/13/2003 17:00	10
0%					
3.1.1.1	Continue S/W Development for CD version	75 days	3/3/2003 8:00	6/13/2003 17:00	10
0%					
3.1.1.1.1	Map STEPPlan Objects to ARM	75 days	3/3/2003 8:00	6/13/2003 17:00	10
0%					
3.1.1.1.2	Map Objects to AIM	75 days	3/3/2003 8:00	6/13/2003 17:00	10
0%					
3.1.1.1.3	Develop SW to generate Part 21 Format of AP240	75 days	3/3/2003 8:00	6/13/2003 17:00	1
00%					
3.1.1.1.4	Unit Test and Resolve TRs	12 days	5/16/2003 8:00	6/13/2003 17:00	100%
3.1.2	Perform Software Upgrades	68 days	6/2/2003 8:00	9/5/2003 17:00	1
00%					

3.1.2.1	Upgrade to latest Oracle v (*8.1.7 dependent upon release date)	15 days	6/2/2003 8:00	6
/20/2003 17:00	100%			
3.1.2.2	Decide to Upgrade to ICAD v8.0 (dependent upon release date)(License Issue)	15 days	6/16/2003	
8:00	7/7/2003 17:00 100%			
3.1.2.3	Order ICAD v8.0 Upgrade	1 day	9/5/2003 8:00	9/5/2003 17:00
100%				
3.1.3	Add improved casting base shape capability	58 days	6/30/2003 8:00	9/19/2003 17:00
00%				1
3.1.3.1	Develop procedure for casting generation/validation	58 days	6/30/2003 8:00	9/19/2003
17:00	100%			
3.1.3.2	S/W development for casting improvement	20 days	7/11/2003 8:00	8/7/2003 17:00
00%				1
3.1.3.3	Unit Test and Resolve Trouble Reports	34 days	6/30/2003 8:00	8/15/2003 17:00
00%				1
3.1.4	Full Systems Test and Resolve Trouble Reports	53 days	7/29/2003 8:00	10/10/2003 17:00 100%
3.1.5	Prepare Toolset for Deployment	3 days	10/13/2003 8:00	10/15/2003 17:00 100%
3.1.6	Determine R&D Work Agenda	17 days	9/2/2003 8:00	9/24/2003 17:00
100%				
3.1.6.1	Review Work Agenda	10 days	9/2/2003 8:00	9/15/2003 17:00
100%				
3.1.6.2	Recommend Work Agenda to TACOM	1 day	9/16/2003 8:00	9/16/2003 17:00
100%				
3.1.6.3	Obtain TACOM Approval	5 days	9/16/2003 8:00	9/22/2003 17:00
100%				
3.1.6.4	Revise Master Schedule	2 days	9/23/2003 8:00	9/24/2003 17:00
100%				
3.1.7	Perform COTS Upgrade ICAD and Oracle	82 days	10/13/2003 8:00	2/13/2004 17:00
38%				
3.1.7.1	Order latest ICAD COTS version	3 days	10/13/2003 8:00	10/15/2003 17:00 100%
3.1.7.2	Receive ICAD COTS	1 day	10/20/2003 8:00	10/20/2003 17:00
100%				
3.1.7.3	Install COTS on system	2 days	10/21/2003 8:00	10/22/2003 17:00 100%
3.1.7.4	Perform upgrade to applications	21 days	10/23/2003 8:00	11/20/2003 17:00 100%
3.1.7.5	Perform System testing	10 days	1/5/2004 8:00	1/16/2004 17:00
10%				
3.1.7.6	Make corrections as authorized	32 days	12/3/2003 8:00	1/23/2004 17:00
10%				
3.1.7.7	Baseline System	1 day	1/26/2004 8:00	1/26/2004 17:00
0%				
3.1.7.8	Develop Data Output Enhancements	54 days	11/20/2003 8:00	2/13/2004 17:00
0%				
3.1.7.9	User Support	82 days	10/13/2003 8:00	2/13/2004 17:00
56%				
3.1.7.9.1	Perform User Support as required (LOE)	82 days	10/13/2003 8:00	2/13/2004 17:00 56%
3.2	STEPTrans	82 days	10/13/2003 8:00	2/13/2004 17:00
25%				
3.2.1	Perform COTS Upgrade	67 days	10/13/2003 8:00	1/23/2004 17:00
51%				
3.2.1.1	Order latest ProE COTS version	3 days	10/13/2003 8:00	10/15/2003 17:00 100%
3.2.1.2	Receive ProE COTS	1 day	10/20/2003 8:00	10/20/2003 17:00
100%				
3.2.1.3	Install COTS on system	2 days	10/21/2003 8:00	10/22/2003 17:00 100%
3.2.1.4	Perform upgrade to applications	20 days	10/23/2003 8:00	11/19/2003 17:00 100%
3.2.1.5	Perform System testing	10 days	1/5/2004 8:00	1/16/2004 17:00
0%				
3.2.1.6	Make corrections as authorized	15 days	1/5/2004 8:00	1/23/2004 17:00
0%				
3.2.2	Replace Oracle for Order Manager	28 days	12/10/2003 8:00	1/26/2004 17:00
34%				
3.2.2.1	Research database replacement products	9 days	12/10/2003 8:00	12/22/2003 17:00 95%
3.2.2.2	Install PostgreSQL on host	5 days	1/5/2004 8:00	1/9/2004 17:00
0%				
3.2.2.3	Design replacement	3 days	1/12/2004 8:00	1/14/2004 17:00

[illegible]

100%										
4.4.3.3	Install by ANAD with phone support from SCRA	17 days	1/9/2004 8:00	2/2/2004 17:00	0%					
4.4.3.4	Training done over the phone for new version	1 day	2/3/2004 8:00	2/3/2004 17:00	0%					
4.5	CAMP	6 days	4/14/2003 8:00	4/21/2003 17:00						
100%										
4.5.1	Install STEPTrans 8.1	6 days	4/14/2003 8:00	4/21/2003 17:00						
100%										
4.5.1.1	Create file of new version	2 days	4/14/2003 8:00	4/15/2003 17:00						
100%										
4.5.1.2	Send file to CAMP	1 day	4/16/2003 8:00	4/16/2003 17:00						
100%										
4.5.1.3	Install at CAMP with Phone Support from SCRA	3 days	4/17/2003 8:00	4/21/2003 17:00	100%					
5	STEP-ENABLED PRODUCTION WORKFLOW MGT	240 days	3/3/2003 8:00	2/13/2004 17:00					84	
%										
5.1	Perform STEP-Enabled Toolset Maintenance (LOE)	240 days	3/3/2003 8:00	2/13/2004 17:00						8
5%										
5.2	Attend PTC ProEngineer SW Update Training (Estimated Date)	23 days		10/1/2003 8:00					10	
/31/2003 17:00 0%										
5.3	Update Web Metrics Site	21 days	3/3/2003 8:00	3/28/2003 17:00					10	
0%										
5.4	Collect Metrics (LOE)	240 days	3/3/2003 8:00	2/13/2004 17:00					85	
%										
5.5	Execute Conversion Tasks (LOE)	240 days	3/3/2003 8:00	2/13/2004 17:00					85	
%										
5.5.1	Obtain Drawings (LOE)	240 days	3/3/2003 8:00	2/13/2004 17:00					85	
%										
5.5.2	Update Conversion Schedule (LOE)	240 days	3/3/2003 8:00	2/13/2004 17:00					85	
%										
5.5.3	Conduct Conversion Activity (LOE)	240 days	3/3/2003 8:00	2/13/2004 17:00					85	
%										
5.5.4	Technical Support During Conversion (LOE)	240 days	3/3/2003 8:00	2/13/2004 17:00					85	
%										

18 DECEMBER 2003